Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

DiPole ComAer 2.4: WCR

External Wireless Device Antenna

Today's work and lifestyles require us to communicate anytime, anywhere whether on the move or sitting still. Bluetooth® and 802.11 standards make wireless connections to computer networks and other devices possible, while at the same time enabling freedom of movement.

Laird Technologies' practical and rugged external wireless device antennas are designed to fit into the portable devices used in office, industrial, and home environments. The antennas feature flexible elements and many are ½ wave coaxial dipole design for reduced ground dependence and improved performance.

FEATURES RoHS

- 1/2 wave coaxial dipole
- Flexible element
- Snap-in
- Clutch allows 360° rotation
- FCC Part 15 compliant polarized connector

MARKETS

- Bluetooth® devices
- IEEE 802.11b/g devices

global solutions: local support™

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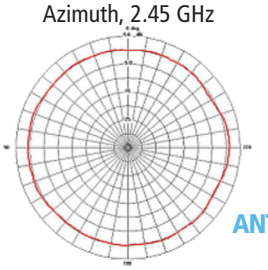
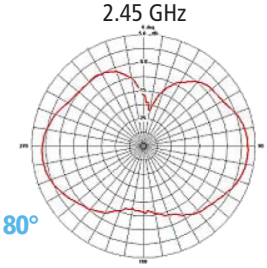
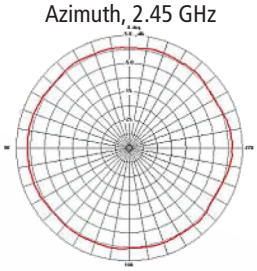
ANTENNA BENT @ 90°
Azimuth, 2.45 GHz



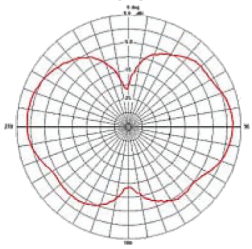
ELEVATION, PHI=0
2.45 GHz



ANTENNA BENT @ 180°
Azimuth, 2.45 GHz



ELEVATION, PHI=0
2.45 GHz



SPECIFICATIONS	
Frequency	2.4 - 2.5 GHz
Polarization	Vertical
	MMCX 1.0 dBi SMA 2.0 dBi SMRP 1.0 dBi
Gain	2 dBi
Nominal Impedance	50 ohms
VSWR	1.5:1 max at resonance
Power Rating	50 watts
Size (Length)	WCR2400 IP/FL 7.6 cm (90° Bent) or 10.8 cm (180°) WCR2400 8 cm
Temperature Range	-40° to +80°
Drop Test	1M

MODEL NUMBER	PART NUMBER	CABLE	CONNECTOR
WCR2400-SMA	WCR2400SMA		SMA-Male
WCR2400-SMRP	WCR2400SMRP		RP-SMA-Male (gold)
WCR2400-FL04	MAF94015	100 mm RG-178	Flying Lead
WCR2400-IP04	MAF94017	100 mm RG-178	MHF

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